

## ORDER MADE SYSTEM



### FIELD OF THE INVENTION

The present invention relates to a made-to-order system in an electric commerce transaction.

### BACKGROUND OF THE INVENTION

~~In e~~Conventional electric commerce transactions, ~~electric commerce transaction is still a~~ are similar to mail-order selling for ready-made articles. Changes are that the mail task is merely omitted ~~and~~, that ordering time and response time of acceptance or unacceptance corresponding to ordering time are shortened, and that the means of collecting charges is changed.

~~There were t~~The following problems ~~in a ease of may can~~ be associated with electric commerce transactions ~~in a view to for~~ made-to-order articles.

Firstly, it is difficult to specify the requirement specifications of the customer, and therefore business negotiations may not be concluded or can cause future problems.

Secondly, risk of cancellation is large with the made-to-order articles and it is difficult to objectively judge whether responsibility lies with the customer or the business owner. In most cases, responsibility rests with the business owner's side.

~~-Accordingly, in the made-to-order is generally high quality commerce transactions in common sense as well as precondition~~

~~that there is a shop, a shop clerk and a~~ reliable relationship  
of between the shop clerk and the customer is indispensable.

The reliable relationship includes the following requirements which are indispensable.

Firstly, business negotiations ~~is~~ are concluded by complete allowance of the requirement specification of the customer.

Secondly, if a made-to-order product produced according to made-to-order is cancelled, it should incurable be known by the customer that it is difficult to resell ~~each~~ the made-to-order product.

When the order ~~good~~ is cancelled, it is objectively judged whether responsibility lies with the customer or the business owner. Then, the side that is found to be at fault ~~is required to claim damages and may suffers penalties~~ under civil law.

~~In brief, there are the shop which is not evaded at the owner business side and social confidence which does not desire to be lost as well as there is social confidence that does not desire to be lost or damages at the customer side as well. Made to order is concluded while these multiple effects balance exquisitely.~~

#### SUMMARY OF THE INVENTION

This invention has been made to solve the above problems, and it is therefore an object of the present invention to provide a made-to-order system in which made-to-order is concluded with a little risk while maintaining the simplicity of mail

correspondence ~~of~~ (e.g., catalog etc.), ~~transacting~~ allowing transactions ~~in a wide area~~, and further use of the ~~speedy~~ of electric commerce ~~transaction~~.

According to the present invention, there is provided a made-to-order system which comprises an accepted order means; an accepted order content confirmation means; a design sample production means for producing design sample including image data based on specification data an accepted order; a design sample transmitting means for transmitting the design sample to a customer who ordered; and a confirmation means for confirming whether or not accepted order contract is accepted based on the design sample in an electric commerce transaction.

~~A~~ Contract ~~by complete allowance based on the requirement specification of a customer who lives in far place is concluded~~ executed. If an ordered good produced according to contract ~~of made to order~~ is cancelled after that, ~~it is easy to incurable know to the customer side~~ will know that it is difficult to resell ~~each of the made-to-order product~~. If an ordered good is cancelled, ~~it is hard for become trouble to problems will therefore not arise since the responsibility of the customer or business owner can objectively be judged~~.

Therefore, a made-to-order transaction can be concluded with ~~a little risk while maintaining the simplicity of mail correspondence, of catalog etc., allowing transacting on~~ in a wide area, and further use of the ~~speedy~~ of electric commerce ~~transaction~~.

According to the present invention, there is provided a made-to-order system, in which the system comprises the accepted order content confirmation means to be capable of specifying existence of special specification or content of special specification, a specific pattern; dimension; color; figure; and/or good name on a screen of homepage, and an image synthetic processing means for overlapping a database storing specification data of existing or new special specification and specific pattern so as to search them freely and specification data cited from the database with a half completed model image by a computer graphic.

-Thereby, a design sample can immediately be presented so long as a specification pattern or content of special specification is not original.

A D design sample is displayed with ~~a~~ little effort if specification is clear even if specification pattern or menu of special specification is original.

Further, since a design sample once established ~~one~~ is added to database, it becomes possible to instantaneously present a design sample for same or similar specification.

Therefore, since new repertory increases by continuing business, it is possible to expect further development of made-to-order goods.

According to the present invention, there is provided a made-to-order system in which the system comprises a manufacturing arrangement means for having a manufacturing instruction form in which a design sample is ~~main~~ presented.

Thereby, the manufacturing arrangement is speedy, surely, and accurately available corresponding to the order.

According to the present invention, there is provided a made-to-order system in which the system deals with a stage good for festival or various events.

Thereby, it is possible to cheaply provide with a high quality product in a short scheduled delivery date for ~~shortening~~ decreasing trouble and the time required to get a large quantity of an agreed accepted order contract.

Therefore, it is possible to deal with the special demands ~~of associated with~~ a stage good of, including the ~~high~~ tendency to ~~occurrence of~~ have prominent demand at ~~the~~ a far place in a limited period.

According to the present invention, there is provided a made-to-order system in which a family crest is put on a product ~~to be applied~~.

Thereby, traditional feeling is easily satisfied.

According to the present invention, there is provided a made-to-order system in which ~~Edo~~ one or more letters ~~is~~ are put on a product to be applied. Thereby, traditional feeling is easily satisfied.

According to the present invention, there is provided a made-to-order system in which the system comprises:

an accepted order means for accepting order of design creation for a background design to be displayed on a display screen provided on the portable remote terminal; and

a fee collection means for collecting a fee for producing design of the image data by downloading image data of design creation created according to the ordering to the portable remote terminal by a customer or a fee for distributing an existing design in an information communication system being capable of using a portable remote terminal which can access Internet.

Thereby, the customer who uses the portable remote terminal can easily order charge design to set the dedicated or favorite the wallpaper background design in the display screen, ordered content is instantaneously displayed on the display screen of portable remote terminal, and displayed order is fixed.

According to the present invention, there is provided a made-to-order system in which the system comprises an image for producing means of a slip of paper printed with the name of a pilgrim for supplying a design in which a character or letter that the customer desires is written and design has taste of the slip of paper printed with the name of the pilgrim.

Thereby, a design having a taste of the traditional and ~~attractive the slip of paper printed with the name of the pilgrim~~ is instantly displayed on a display screen of the portable remote terminal to a person interested in a Japanese festival of Shinto shrine, and the design is fixed. Therefore, sales promotion of the design is available according to elevation of ~~ef~~ in the festival feeling.

-The above and other objects, features, and advantages of the invention will become more apparent from the following description when taken in conjunction ~~will~~ with the accompanying drawings.

—BRIEF DESCRIPTION OF THE DRAWINGS—

FIG. 1 is a block diagram showing a configuration of made-to-order system ~~and relation~~ connected with an information terminal ~~of present embodiment~~.

FIG. 2A shows a logical configuration diagram of a customer DB-database in the made-to-order system of FIG. 1.

FIG. 2B shows a logical configuration diagram of a model DB-database.

FIG. 2C shows a logical configuration diagram of an accepted order history DB-database.

FIG. 3A is a diagram of homepage screen of an electric commerce transaction in the made-to-order system ~~1~~ of FIG. 1.

FIG. 3B is a diagram of a screen of a customer registration page.

FIG. 4A is a diagram of a screen of a base good selection/order entrance page in the made-to-order system ~~1~~ of FIG. 1.-

FIG. 4B is a diagram of a screen of a specification selection page.

FIG. 5 is a diagram of screen of an ordering confirmation in the made-to-order system of FIG. 1.

FIG. 6 is a flowchart of an ordering in the made-to-order system of FIG. 1.

FIG. 7 is a sequence chart when ~~a~~ customer registration is made ~~to~~ in the made-to-order system of FIG. 1.

FIG. 8 is a sequence chart when a registered customer selects a model and downloads design sample data in the made-to-order system of FIG. 1.

#### DESCRIPTION OF THE PREFERRED EMBODIMENT

~~Below, e~~Embodiments of made-to-order systems ~~in the present invention is~~ are described below and referring to drawings.

FIG. 1 is block diagram showing an example configuration of a made-to-order system ~~and relation connected with an information terminal of present embodiment.~~

~~Outline of made to order system 1 is described.~~

As shown in FIG. 1, made-to-order system 1 ~~of present embodiment~~ is system in which made-to-order management server SV of a business owner is at the core. Articles or designs are sold between the made-to-order system 1 and an information terminal T of a customer by the Internet ~~and particularly, producing and selling "Made to order product" which was hard to be concluded~~



~~in conventional electric commerce transaction are handled.~~  
Homepage 500 of "Nakagawa of made-to-order" is opened (See FIG. 3).

Customer accesses homepage 500 with the information terminal T, interchanges necessary information for made-to-order management server SV, image-sets goods specifications as desired instantaneously or in a short time, and carries out the accepted order after having looked at a design sample ~~(hereinafter referred to as design sample)~~ ~~by computer graphics.~~

Items to be sold in the present embodiment are mainly stage goods of festival and various events. ~~Items~~ include a lantern, slip of paper printed with name of pilgrim (will be described hereinafter), name seal of slip of paper printed with name of the pilgrim style, strap for cellular phone, jacket, shirt with neck of carp mouth (will be described hereinafter), long underwear, long underwear with pattern, waistcoat having front but no back, Japanese towel, tabi (Japanese socks), straw sandal, fan, or band, which ~~is~~ are ~~demanded~~ related to the Japanese festival of Shinto shrine.

~~"Slip of paper printed with name of pilgrim" and "Shirt with carp mouth shaped neck" are simply defined.~~

"Slip of paper printed with name of pilgrim" is a card such as an "Incantation slip" sold ~~with~~ during the Japanese festival of Shinto shrine, and the slip is made of paper whose size is length of 17.2 cm. ~~times side~~ x 5.7 cm in an rectangular shape, as one example. There is a "Slip of paper printed with name of pilgrim" in which a frame is drawn on a surface, a ground color of inside

of frame is colored in red, green, yellow, and dark-blue etc. and an Edo letter of "Asakusa/shops lining passageway", "Asakusa/Kaminari-mon", "Three festivals", "Do business", "Fifth group (character of matoi)" or the like, or drawing pattern is drawn in black. There is a design which is copied to other accessories in basis of the Edo letter or pattern of drawing drawn in black.

"Shirt with carp mouth shaped neck" is a kind of stage clothes with a pattern, round neck, semi-long sleeves, front button, and is worn by person who carries a portable shrine "MIKOSHI" at festivals. There is "Tattoo shirt" with a pattern on whole, which tattoo is imaged without a front button.

These are sold in general marketing and, ~~in present invention,~~ "Made-to-order products" raise additional value ~~can be accept order produced and~~ are sold more easily and reasonably by putting a unique name or pattern of a drawing and family crest.

~~{Hardware}~~

~~Made to order system is described in detail.~~

As shown in FIG. 1, the made-to-order management server SV has ~~configuration in which~~ includes a main control device SV1, memory device SV2, input/output device SV3, and communication control device SV4 etc. ~~are connected to~~ bass SV5.

Main control device SV1 ~~is configured~~ includes by a MPU (Micro Processing Unit) and RAM (Random Access Memory) etc., and controls the made-to-order management server SV ~~synthetically~~. In main control unit SV1, a WWW Server program, model selection means,

accepted order means, accepted order contract confirmation means, design sample producing means, customer management means, authentication means, manufacturing arrangement means, DB management means etc. are started. ("DB" is abbreviation of database.)

Memory device SV2 ~~is configured by~~ can include a hard disk device and optic magneto disk device, etc. Memory device SV2 stores customer DB 100, model DB 200, design sample DB, accepted order contract DB, homepage data, accepted order history DB 300, accepted order candidate DB, etc., so as to ~~search~~ allow each database to be searched ~~them~~ freely.

Keyboard, mouse, and display device, etc. are connected to input/output device SV3 via I/O device. Communication control unit SV4 ~~is configured by~~ can include a modem and DSU (Digital Service Unit) etc., and implements transmission and receipt of information by the Internet.

A ~~{Program}~~

~~Each program started in main control device SV1 is described.~~

WWW server program is the ~~basement~~ program providing with various kinds of information between the server on the Internet or customer (information terminal T) by HTTP (Hyper Text Transfer Protocol) and getting various kinds of information.

Model selection means selects items of good to be ordered, e.g., a lantern or tabi, based on requirements transmitted from information terminal T of the customer, and prepares for setting concrete and detailed specifications.

~~Model of state of rough sketch for coloring backlash for child is presented and drawing design and coloring which customer specifies are awaited.~~

To set a specification ~~is not only to specify~~ not only includes specification of color or figure, but also ~~to set~~ includes shape or dimension and special specification of good. That is, any range can be set due to sufficient DB if range is matched to range of business.

The ~~mDesign sample producing means is described hereinafter.~~

Model selection sample means obtains image data of a design sample in which the other specification is colored in model in model of selected good and image data of design sample specification image synthesized by computer graphic and functions to download data to desired information terminal T (See FIG. 6).

The Aaccepted order means is program to accept order from information terminal T of customer.

There are programs of customer management means, authentication means, design sample producing means, accepted order contract confirmation means and manufacturing arrangement means which operate to associate with the accept order means and on they ~~make-made-to-order~~ system (hereinafter referred to as present system) ~~work by each operation.~~

The Ccustomer management means ~~has quite close on taking into consideration~~ includes collecting fees by association with fee collection means (not shown) and ~~customer registered to present~~

~~system is security is managed with well-known authentication means~~  
by ID number and password. ~~Description is omitted.~~

The Aaccepted order contract confirmation means comprises  
a program in which a design sample which requirement specification  
of customer of made-to-order is sufficiently taken into  
consideration, which is a picture explained by a pattern of a drawing  
colored requirement specification etc. and which is displayed by  
a design sample producing means, and a ledger which ~~is mentioned~~  
indicates unit price, quantity, scheduled delivery date, and other  
commerce transaction conditions; ~~are dealt between customer and~~  
~~business owner.~~

The Mmanufacturing arrangement means corrects the  
description ~~of~~ on the ledger determined by the program of the  
accepted order contract confirmation means ~~to print out corrected~~  
~~one and purpose is carried out by and deliverings~~ a printed note  
into the manufacturing studio or ~~by transmitting~~ transmits it by  
e-mail.

Price, scheduled delivery date, and place to be delivered  
etc. are slightly corrected on accepted order contract verification  
contracted between customer and business owner (it is not limited  
to paper ~~but is called tentatively~~). There is a program to translate  
the corrected accept order contract verification into the  
manufacturing instruction document (it is not limited to paper  
~~but is called tentatively~~). Although, ~~deservedly,~~ a predetermined  
gap for price and scheduled delivery date to be presented between  
the customer and manufacturing studio is provided, specification  
and quantity therebetween are the same. ~~Although appropriately~~

~~quality management means is provided when product is directly sent from manufacturing studio to customer, description is omitted.~~

The DB management means ~~has functions~~ to register data to each DB and ~~update register data,~~ which has been registered. For example, data is registered to customer DB 100 via this DB management means when a new customer is registered.

~~{DB}~~

~~DB etc. which memory device SV2 has is described referring to FIGS. 2A and 2B (See FIG. 1 appropriately).~~

Here, ~~FIG. 2A shows a~~ logical configuration diagram of a customer DB, ~~FIG. 2B shows a~~ logical configuration diagram of a model DB, and ~~FIG. 2C shows a~~ logical configuration diagram of an accepted order history DB.

Customer DB 100 ~~has~~ includes items (fields) of customer code, company name, address, name of a handling person, keyboard number, email address, customer ID, and password as shown in FIG. 2A. Customer ID is set to MASAONAKAGAWA, ~~or and~~ password to 7877X etc. and, within limitations, numbers and letters ~~by customer or for the~~ customer ID ~~is~~ are automatically assigned at business owner's side.

Since fee settlement is carried out by fee collection means connected directly with an automatic deduction machine (not shown), fee collection of the system is based on the known practice of commerce transactions by performed on the Internet.

Although the system is linked to a place to which the product is to be sent, it is desirable to be able to set another field

taking into consideration ~~in the~~ a case where the address to be sent to is different ~~to from the~~ the aforementioned address.

In short, it preferably has a field to set ~~not shown~~ information for special circumstances.

~~As shown in FIG. 2B,~~ FIG. 2B is logical configuration diagram of a model DB ~~has having~~ fields of model code, good name, good number, ground color, dimension, font, kind of letter, family crest, special specification, file name and unit price. Fields can increase and decrease if required. Good name and good number are ~~eateger~~ categories, and from ground color to special specification are specifications. ~~This~~ The model DB 200 is set ~~corresponding~~ according to business content. In other words, model DB 200 is a "Half completed model image for made-to-order".

A "Design sample" is made by image synthesizing a "Half completion" into an "Image of completed product".

Concrete means of image synthesis can supplement graphics of all design samples by simple software or a developed type combination of software having functions of general-purpose computer graphics used at a design office etc. or software having graphic functions similar to this former software.

However, the immediate conclusion of the business negotiation is not reached in the interactive form of interaction between the customer and this system, and some operation time is required since operation by a dedicated operator is required.

Simple specialization is ~~to be~~ configured such that graphics of the design sample of the made-to-order good which customer

desires (not shown) is completed by instructing at several times with known mouse and keyboard from information terminal T and confirmation is instantaneously made by customer at sight (See FIG. 4). Customer can adeptly conclude business negotiation in interactive form between customer and the present system instead of limiting use. ~~This function is main subject matter of present invention.~~

~~Develop typed combination is~~ The made-to-order system with includes a self-learning function and which contributes to production planning and goods projects for every season since trends of demand can be caught identified by stocking accepted order history DB 300 as shown in FIG. 2C.

In particular, it is possible to instantaneously deal with repetition ordering to specify identified design samples.

~~Concrete program is not shown, however, if~~ If the customer is known, the person recalls is identified as a "Recommend good," which should be is introduced only heard when the customer name at time of serving is recognized customer and "Recommend good suggest function" ~~equal to imaging recommend good can be provided.~~

"Already approve" of a design sample in FIG. 2C means that the design sample with which the business owner is presented is matched to a made-to-order specification of the customer and is approved. "Already transmit" means the state where the design sample with which business owner is presented is transmitted to the customer and approval is pending.



"During confirming specification" ~~of design sample~~ means the state where the made-to-order specification is not agreed between the customer and business owner.

In this case, the made-to-order system 1 also needs business owner assistance.

~~To require The negotiation skills of a sales-man is~~ are limited to only cases where conclusion of the business negotiation with the computer is harddifficult. Therefore, the business owner can concentrate on business sales in a global range or on original good projects.

~~{Homepage}~~

Each homepage of the electric commerce transaction in made-to-order system 1 of FIG. 1 is described ~~along in conjunction~~ with FIGS. 3 to 5.

FIG. 3A is a diagram of a homepage screen of electric commerce transaction and FIG. 3B is a diagram of a screen of a customer registration page. FIG. 4A is a diagram of a screen of a base good selection/order entrance page and FIG. 4B is a diagram of a screen of a specification selection page. FIG. 5 is a diagram of a screen of an ordering confirmation page.

Homepage 500 is opened with the title of "Nakagawa of made-to-or-der" as shown in FIG. 3A. The Overall dealing contract condition etc., for example, "Manufacturing arrangement is made after payment in advance is confirmed and paying back is not basically admitted with respect to made-to-order" in electric commerce transaction is mentioned on a blank screen of "Information

for first customer".." Business negotiations with made-to-order system 1 ~~is~~ are started by the customer clicking a mouse button of "Agree" in this screen.

If the customer does not agree, it is possible to close homepage 500 since button "Disagree" is link-~~seted~~ to a homepage of suitable search engine, etc.

The Sscreen is configured as shown in ~~goes to~~ FIGS. 4A and 4B by receiving inputting of a customer ID and password and by clicking the mouse button of "Authentication" by the customer who already has ~~had~~ a customer ID on the blank of "Customer having had customer ID",," and business negotiations with made-to-order system 1 ~~is~~ are started.

The Bbusiness approach is in keeping with level of trust, priority of a deferred payment is given to customer having had a customer ID, -who is ~~different~~ distinguished from a customer who starts from the blank "Information for first customer"." screen.

This Ddistinction is managed by customer DB 100 and various kinds of dealing conditions: judgment reference should be applied in usual commerce transaction, is stored. ~~Updating is free (not shown).~~

Predetermined customer registration information is input into each blank in FIG. 3B. ~~Particularly, explanation is not necessary.~~

Security protection is provided since information is associated with ~~not shown~~ the fee collection means (not shown).

When customer has input the predetermined information, the screen goes to FIG. 4A by clicking of the mouse button efon "Transmission". When customer clicks the mouse button ef-on "Return", the screen returns to homepage 500 in FIG. 3A.

This Sscreen is used not only for first customers but also for other procedures etc. such as to update input customer registration information and concrete detail is omitted.

The Sscreen of base good selection/order entrance page 520 includes fields of "1. Base good is newly selected.", "2. Good ordered in past is reordered." and "3. Good previously downloaded is ordered.". These are linked-set to corresponding pages. For example, when number 1 in FIG. 4A is mouse clicked, distinction is selected in not shown the base good selection screen is provided.

In detail, customer selects distinction of between, for example, number 1. "Lantern" 2. "Slip of paper printed with name of pilgrim" 3. "Jacket" 4. "Shirt with neck of carp mouth shape" 5. "Long underwear" 6. "Long underwear with pattern" 7. "Waistcoat having a front but no back" 8. "Japanese towel" 9. "Tabi" 10. "Straw sandal" 11. "Name seal" 12. "Strap for cellularphone" on the screen, which presents the option of good groups along with business content.

Next, the screen goes to screen of specification selection page 530 in FIG. 4B and the customer determines goods specifications which is-are desired along with the specification selection form.

"Base good selection" means preparation stage, which is to be state where model of the state of where a rough sketch of coloring is presented as well as drawing patterns and colorings which

~~customer specifies are awaited.~~ If "Lantern" of aforementioned item 1 is selected, "Odawara" of (1) kind of lantern is selected, "Buttery type" of (2) light type is selected, "White" of (3) ground is selected, "Real size" of (4) dimension is selected, "Edo letter and family crest" of (5) kind of letter is selected, an "Family name" in black and ~~.left brkt top.~~ [Hidari mitsudomoe ~~right brkt bot.~~] such as clover mark of kind of family crest in black" of (6) font color is selected on "Specification selection form" in FIG. 4B, the customer clicks the mouse button of ~~on~~ "Selection" when the customer ~~who orders good~~ confirms these specifications on the selection screen ~~and decides intension.~~

"Odawara lantern of unit price \* \* yen was selected" is displayed on "Confirmation of design specification" at lower portion of screen in FIG. 4B, the design sample which the customer desires ("Design specification figure" or "Design sample" is called) is imaged ~~synthesized with computer graphics and the~~ customer judges the design sample ~~of clear color image by~~ mouse-clicking the button of ~~"Download".~~ " button.

~~Since method in which content is displayed on one part of specification selection page 530, screen is switched into other screen, or switched screen returns to previous screen can be set to any up to program of made to order system 1, description is omitted.~~

Since the lantern on which the family crest and family name are written is just to write the font which customer specifies on a half completed product, ~~great time to cite the time required to present~~ several kinds from model DB 200 and to image-synthesize the different kinds is not required. Therefore, the customer can

confirm specification of ordering content in interactive form with the unmanned made-to-order system 1, which ~~is far by~~ can be located remotely from the information terminal T within reach of the customer.

"Design" and "Design" ~~are described~~ can haveas the same meaning. However, a "Design" is displayed on the screen which the customer looks at directly so as to easily understand and "Design" ~~for including~~ includes the meaning of "Plan" provided by customer ~~may that can be~~ interpreted.

The Sscreen is switched into ordering confirmation page 540 shown in FIG. 5 as the decision of ~~impression of the~~ customer is almost made by mouse-clicking the ordering schedule button on bottom left of specification selection page 530. Content of ~~intention expression of customer at the~~ specification selection page 530 is already reflected ~~to on the~~ screen of ordering confirmation page 540 screen in FIG. 5.

Ordering confirmation page 540 as shown in FIG. 5 corresponds to the accepted order content confirmation means and includes ordering confirmation ledger, start button of confirmation, recalculation button, and ordering button. The Oordering confirmation ledger has fields such as good name, unit price, unit number, amount, cancel, design sample, and total amount. These number of these fields can increase and decrease if required.

The Ggood indicated on ordering confirmation ledger is the good of ~~object of made to order displayed customers intention expression content at from the~~ specification selection page 530 and method of setting specification is ~~aforementioned described~~.

Necessary corrections can be made on this screen by mouse-clicking buttons of unit number, cancel, or design sample if changing or canceling of the description in the ordering confirmation forms is required. For example, if an increase of in quantity from one to five is desired, the cursor is moved to the corresponding button and the number is corrected.

If the recalculation button is pushed afterwards, the total amount is correctly recalculated and is displayed.

The Entire line of the corresponding good is cancelled by mouse-clicking the cancel button if description is desired to cancel. The Total amount is correctly recalculated and is displayed when the recalculation button is pushed afterwards.

When the "✓check mark." checkmark is displayed on the field of the design sample, approval has already been made by for the design sample at that time and this means that related party can be relieved since there is record regarding which customer bought good with respect to this good in past. When the "✓check mark." checkmark is not displayed adversely, it is desirable to reconfirm authorization by of a new design sample by returning the screen to the specification selection page 530 in FIG. 4B and the like since there is no record which customer bought this good in past.

The Sscreen is switched from the ordering confirmation page 540 into the specification selecting page 520 etc. by providing with button switching screen means other than by mouse-clicking a design sample. When the "✓check mark." checkmark is not displayed on the field of a design sample, any confirmation means passes and whether or not the ordering can be made after confirmation

means passes can be set up to in the program of made-to-order system 1.

It is desirable to ~~provide with process of intension decision~~ by require double action to avoid careless error, by using a which usually happens, cursor turned field at left end in one line of ordering confirmation ledger etc. into that changes into a highlight state etc. ~~is displayed by mouse clicking confirmation start button~~ in present embodiment, ENTER key of keyboard (not shown) is pushed, ~~cursor is moved one field to right end, and confirmation working~~ sequentially processes. Finally, ~~it is considerable that the~~ overall confirmation is completed when cursor reaches a bottom line or lower right of the last of ordering confirmation page 540.

Ordering is carried out by mouse-clicking the order button.

There are fields of date when delivery is required and address to be delivered after address is changed at lower portion of ordering confirmation page 540, . The customer writes date when delivery is required when ordering the good, the address to be delivered is automatically displayed from accepted order history DB 300 if one exists and address to be delivered is automatically displayed by citing data from customer DB100 if there is, and the customer confirms the date and address for every order.

~~{Procedure Ordering Intention Decision of Customer}~~

~~Procedure ordering intention decision of customer in made-to-order system 1 is described referring to flowchart of FIG. 6.~~

Since procedures etc. ~~from for connection of the~~ information terminal T to ~~the~~ Internet to access ~~theing~~ homepage ~~inof~~ the made-to-order system 1 and ~~to for disconnection ofen~~ information terminal T from ~~the~~ network after completing ordering are known, they are omitted. Therefore, ~~steps from S12 to S27 in FIG. 6 are only procedures of ordering intention decision of customer.~~

Customer accesses homepage 500, judges whether or not he agrees to basic rules for methods of payment (not shown) mentioned in information for first customer (S12), and mouse-clicks the agree button in homepage 500 when he agrees. The Sscreen of base good selection/ordering entrance page 520 is displayed and ~~dummy-~~ business negotiations of both the customer and made-to-order system 1 in interactive form ~~is~~ are started.

Since handling of customer registration, customer ID and password is known, it is omitted.

If customer mouse-clicks "Disagree" button, disconnection to home page 500 in made-to-order system 1 is performed, and then linkage connection to appropriate search engine screen, etc. (not shown) is performed and access is finished.

If base good of field 1 ~~newly selected~~ is selected by mouse-clicking button or pushing keyboard at base good selection/ordering entrance page 520, a good is selected at ~~not shown~~ a base good selection screen.

The Ccustomer selects ~~distinction ofbetween~~, for example, "Lantern" or "Tabi" on screen where he option of groups of goods along with business content is displayed.



When the Ecustomer determines a desired good specification  
along with the specification selection form at the specification  
selection page 530 (S13), he mouse clicks the selection button  
if he ~~who is person to order~~ decides to confirm the good  
specification and ~~decides his intention~~ (S14).

If download is necessary to judge the design sample (S15),  
the download is performed (S16). The Ecustomer reviews the design  
sample (S17), confirms ordering content on the screen at the  
ordering confirmation page 540 (S19) if the design sample is met  
(S18), and judges whether or not there is any additional goods  
to order (S20). If there is an addition, the screen returns to  
the base good selection/ordering entrance page 520 or specification  
selection page 530, the customer determines additional good  
specifications which he desires along with the specification  
selection form (S13) ~~and adds ordering.~~

The Ecustomer then judges whether or not correction of  
ordering content is necessary (S21); the screen returns to ordering  
confirmation page 540 or specification selection page 530 if  
correction is necessary; and he corrects, cancels or reinputs  
ordering content (S26). Part of the title of ordering confirmation  
page 540 is changed to "Accepted order verification" by requiring  
the issuance of the accepted order contract (S27) if issuance of  
accepted order contract is necessary (S22). Image information in  
which the design sample already approved is mentioned on same page  
(not shown) and can be printed out may be taken out from information  
terminal T of the customer ~~(instruction button etc. is not shown).~~  
Whether or not he prints out accepted order verification is up  
to the decision of the customer, and does not affect ~~on the~~ business

owner of made-to-order system 1, and content of the accepted order is confirmed on the system regardless of presence of a printed-paper of accepted order verification.

~~Information communication is essential via step (not shown) of intention confirmation of business owner of made to order system 1 (this step includes step 27 and is not shown) if accurate scheduled delivery date confirmation and screen display of that date or written on paper are necessary on practice of commerce transaction and information communication becomes confirmation means for confirming whether or not accepted order contract is accepted. Since concrete means is obvious, description is omitted.~~

Although ordering confirmation page 540 is displayed at many times while sequential ordering procedures from (S12) to (S22) passes, ordering is made by mouse-clicking "Order" button at ordering confirmation page 540 (S23) when the customer ordering plan ripens and ~~intention is decided~~ the customer wishes to express his intention to complete the order.

~~The~~ Intention expressed information of the made-to-order of-customer is easily, ~~sure,~~ and accurately sent to the business owner via the made-to-order system 1.

If the selection of the goods specification does not meet ~~to desire of the customer's desires~~ as a result of judgment at step (S24) or step (S25) in the flowchart shown in FIG. 6, the procedure returns to the good and good specification and it is possible to rework or stop specification decision making ~~while working.~~

It is desirable to ~~indicate~~ create a rule that once a made-to-order good in which a design sample has been sufficiently been reviewed (S18) and made-to-order has been ordered ~~once~~ (S23) the good cannot be cancelled on homepage 500.

~~It is object of the present invention to get rid of error ordering due to anachronism.~~

~~Fee collection means on prepayment and deferred payment is inevitable and important on commerce transaction. However, since fee collection means goes off main point of this invention, description in detail is omitted.~~

~~{Customer Registration}~~

Operation when customer registration is made is described referring to the sequence chart of FIG. 7. Reference numerals from S31 to S40 described below show each step in the sequence chart of FIG. 7. ~~FIGS. 1 to 6 are appropriately referred.~~

Access requirements to homepage 500 ~~is~~ are performed by inputting the URL of the made-to-order system 1 with information terminal T close at hand (S31). Made-to-order management server SV transmits the homepage data to information terminal T according to its requirement (S32). Homepage 500 is displayed on information terminal T of the customer by this transmission (S33).

The Ccustomer registration page display requirement is made against the made-to-order management server SV by customer registration button of homepage 500 (S34). Data of customer registration page 510 returns to information terminal T (S35) and customer registration page 510 is displayed (S36). The Ccustomer

inputs customer registration information such as company name, address, name of a handling person, keyboard number, e-mail address, and other (not shown) into information terminal T along customer registration form and transmits information to made-to-order management server SV (S37).

-If his mind is changed before information is transmitted, the screen is returned to homepage 500 from customer registration page 510 by pushing the "Return" button, and information terminal T is disconnected from homepage 500 when the button "Disagree" is pushed ~~in screen~~ and homepage 500 is closed.

Made-to-order management server SV may assign customer ID/password generation (S38) semi-automatically ~~and favorably for~~ or self-identification of the code of ~~by the~~ customer may be reflected.

Priority of dealing is ranked for customers ~~to whom~~ for which a customer ID/password is assigned based on known customer management means and close communication between the customer and made-to-order management server SV is allowed by customer ID/password inputted into field of authentication information of homepage 500 for every access and by pushing "Authentication button" ...

Customer registration information is previously registered to customer DB100 so as to search information freely (S39) and is updated. Since customer DB100 records the address where product is sent to and the address to be contracted, direct mail can be made.

~~It is relieved to inform customer registration (S40).~~

~~{Selection of Model and Download of Design Sample Data}~~

The Operation when registered customer selects model and downloads design sample data is described referring to the sequence chart of FIG. 8. Numerals S51 to S67 show each step in the sequence chart of FIG. 8. ~~Following explanation is appropriately described referring to FIGS. 1 to 6.~~

The Customer accesses homepage 500 by information terminal T, made-to-order system 1 is displayed on information terminal T (S51), authentication information is transmitted from information terminal T to made-to-order management server SV by inputting customer ID/password and by pushing "Authentication button" (S52), transmitted information is compared with customer data in which customer data-based 100 in made-to-order management server SV, authentication is made if data is matched to pertinent person (S53), and ~~else~~ communication of customer with made-to-order management server SV are allowed afterward.

Data of the base good selection/order entrance page 520 returns to information terminal T from made-to-order management server SV (S54) and the base good selection/order entrance page 520 is displayed on information terminal T (S55).

the Category selection page data returns to information terminal T from made-to-order management server SV (S57) and the category selection page (not shown) is displayed (S58) if the new selection of base good is required (S56).

Category selection information which the customer designates, for example, "Lantern," is transmitted from information terminal T to made-to-order management server SV (S59),

data of the specification selection page 530 corresponding to "Lantern" returns (S60) and the specification selection page 530 is displayed on information terminal T (S61).

The Sselection reply of "Odawara lantern .Yen.\* \* \* with real size" etc., that is, acceptance information returns (S63) and the selected good is displayed on lower portion of specification selection page 530 (S64) if the customer input specification selection information on screen in aforementioned manner and information is transmitted from information terminal T to made-to-order management server SV (S62).

The Ddesign sample and the displayed description of ordering confirmation page 540 established on the business owner side at this stage are stored as the accepted order candidate (S66), and the design sample is downloaded to information terminal T (S67) if the customer transmits the download requirement to made-to-order management server SV by pushing the button of the download of specification selection page 530 (S65).

Subject matter of present invention is that the good specification which the customer desires is mutually understood in easy and interactive form by ~~elose~~ communication of information terminal T with made-to-order management server SV, the design sample ~~in which recognition should be common~~ is downloaded to information terminal T (S67) and confirmation means for confirmation whether or not accepted order contract based on design sample is provided. Therefore, the present invention can be applied to any goods if the aforementioned subject matter is utilized.

The Easy-made-to-order system is available in information communication system which being capable of using a portable remote terminal which can access the Internet as another embodiment of the present invention.

~~Article is not sold but~~ One novel design is made-to-order ~~for background wallpaper of~~ for the display screen ~~from of the~~ portable remote terminal being used (background wall paper is ~~not~~ paper and means the background for letter of the liquid crystal screen) ~~in embodiment.~~

A simplified specification selection page 530 for the actual good of the aforementioned lantern etc. is sufficient as the accepted order means to accept the order of the design creation for design of the background to be displayed on the screen for display ~~provided on the~~ portable remote terminal. Therefore, ~~description is omitted.~~

Made-to-order system is configured such that the desired image is instantaneously displayed on screen ~~for display by~~ downloading the creation or image data of the design ~~edited from~~ the database to the portable terminal by the customer according to order in which, for example, "Asakusa/Nakaya" is written on slip of paper printed with name of pilgrim in Edo letter.

Fee collection means to collect design creation fee for image data according to downloading or distributing design fee for existing design is provided.

~~Fee settlement means of, for example, known NTT DoCoMo is used with respect to fee collection means.~~

There is a little problems associated with even with simple dealing means, which is different from the case where comparatively expensive articles is are sold as mentioned above with respect to the means of detail dealing means in case where although the customer downloaded the image data, ~~data does not fit his desired image.~~ Rather, the made-to-order system is configured such that there ~~is import sense to sell interest to~~ it can be used easily.-

~~If image producing means of slip of paper printed with name of pilgrim, for providing with design that character or letter in which customer desires is written and design has taste of slip of paper printed with name of pilgrim, has configuration which being capable of made to order selling actual good of slip of paper printed with name of pilgrim or name seal, means can sell only image data of design specification figure prior to manufacturing actual good. There is not any difficulty to implement it.~~

~~Thereby, design has taste of traditional and attractive slip of paper printed with name of pilgrim can be sales promoted to person interested in Japanese festival of Shinto shrine according to elevation of festival feeling.~~

~~As described above, according to the appended claim 1 in the present invention, made to order is concluded with a little risk while simplicity of mail correspondence of catalog etc., transacting in a wide area and further use of speedy of electric commerce transaction.~~

~~According to claim 2, design example can immediately be presented so long as a specification pattern or description of special specification is not original.~~



~~Design sample can be displayed and presented with a little effort based on specification if specification is clear even if specification pattern or description of special specification is original.—~~

~~Further, since design sample established once is added to database, it becomes possible to instantaneously present design sample for same or similar specification.—~~

~~Therefore, since new repertory increases by continuing business, it is possible to expect further development of made-to-order.—~~

~~According to claim 3, manufacturing arrangement is speedy, sure, and accurately available according to order.—~~

~~According to claim 4, it is possible to cheaply provide with high quality product in a short scheduled delivery date for shortening trouble and the time required to get a large quantity of agreed accepted order contract.—~~

~~Therefore, it is possible to deal with special demand of a stage good of high tendency to occurrence of demand, which is prominent at the far place in limited period.—~~

~~According to claim 5 or 6, traditional feeling is easily satisfied.—~~

~~According to claim 7, the customer who uses the portable remote terminal can easily order charge design to set dedicated or favorite wall paper background design in screen for the display, wall paper background design is instantaneously displayed on the~~

~~display screen of portable remote terminal and displayed design is fixed.~~

~~According to claim 8, design has taste of the traditional and attractive slip of paper printed with name of pilgrim is instantly displayed on a screen of the portable remote terminal to a person interested in a Japanese festival of Shinto shrine and it is fixed. Therefore, sales promotion of the design is available according to elevation of festival feeling.~~